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7-25-02



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Here application of : **Confirmation No. 2391**  
Minako KITAHARA : **Docket No. 2001\_0364A**  
Serial No. 09/818,895 : **Group Art Unit 2821**  
Filed March 28, 2001 : **THE COMMISSIONER IS AUTHORIZED**  
**TO CHARGE ANY DEFICIENCY IN THE**  
**FEES FOR THIS PAPER TO DEPOSIT**  
**AMOUNT NO. 23-0975**  
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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents,  
Washington, DC 20231

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449. A legible copy of each reference listed on the form PTO-1449 is enclosed.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

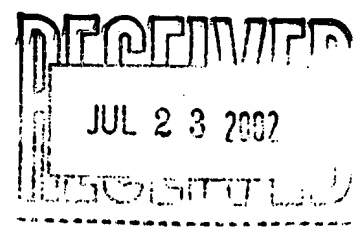
before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, or



(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

a. ☐ a full or partial English language translation submitted herewith,

b. ☒ an European search report (in the English language) submitted herewith,

c. ☐ the concise explanation contained in the specification of the present application at page,

- d. ☒ the concise explanation set forth in the attached English language abstract,
- e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Minako KITAHARA

By 

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July 8, 2002

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: July 8, 2002

ATTY DOCKET NO.  
2001\_0364ASERIAL NO.  
09/818,895APPLICANT  
Minako KITAHARAFILING DATE  
March 28, 2001GROUP  
2821

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ					

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AK	PATENT ABSTRACTS OF JAPAN, vol. 2000, no. 08, 6 October 2000 (2000-10-06) & JP 2000 138520 A (NEC CORP; NTT MOBIL COMMUNICATION NETWORK INC), 16 May 2000 (2000-05-16).
AL	KITAHARA M. et al., "A BASE STATION ADAPTIVE ANTENNA FOR DOWNLINK TRANSMISSION IN A DS-CDMA SYSTEM", VTC 2000-SPRING. 2000 IEEE 51st. VEHICULAR TECHNOLOGY CONFERENCE PROCEEDINGS. Tokyo, Japan, May 15-18, 2000, IEEE VEHICULAR TECHNOLOGY CONFERENCE, New York, NY: IEEE, US, Vol. 2 of 3. CONF. 51, Page(s) 710-715.
AM	TSOULOS G. V. et al., "ADAPTIVE ANTENNAS FOR THIRD GENERATION DS-CDMA CELLULAR SYSTEMS", VEHICULAR TECHNOLOGY CONFERENCE, 1995 IEEE 45th, Chicago, IL, USA 25-28 July 1995, New York, NY, USA, IEEE, US, Page(s) 45-49.
AN	GODARA L.C. et al., "APPLICATION OF ANTENNA ARRAYS TO MOBILE COMMUNICATIONS, PART II: BEAM-FORMING AND DIRECTION-OF-ARRIVAL CONSIDERATIONS", PROCEEDINGS OF THE IEEE, IEEE. New York, US, Vol. 85, Aug. 1997, NR. 8, Page(s) 1195-1245.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.